MEASUREMENT

RA 3rd AND FINAL BILL

Name of work: Comprehensive Development works in ward No. 03 Attur

Date of Recording:

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
6	Constructing un-reinforced,plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum,fine aggregates at 0.46 cum,coarse and fine aggregate conforming to IS:383-2016,with Superplastizer at 3 lts conforming to IS 9103-2003,mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design,laid in approved fixed side form work (sreel channel,layning and fixing of 125 micron thick polythene fim, wedges, steel plates including levelling the form work as per drawing). & Speration the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a construction and longitudinal joints,including groove cutting charges,joint filler,separation membrane of impermiable plastic sheet of 125 micron,sealant primer, joint sealant, admixtures as approved, curring compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials,labour,hire charges of machineries , all lead & lift charges etc., complete as per specifications.with OPC AT 320 kg/cum and fly ash 40 kg/cum conforming to IS:3812, coarse										
	Blind school back side cc road										
	Ch: 0.00 to 10.00 Mts	1.00	10.00	5.00	5.00	5.00	0.15	7.50			
	Ch: 0.00 to 8.80 Mts	1.00	8.80	3.20	3.20	3.20	0.15	4.22			
	Ch: 0.00 to 7.40 Mts	1.00	7.40	6.70	6.70	6.70	0.15	7.44			
	Ch: 0.00 to 8.10 Mts	1.00	8.10	3.50	3.50	3.50	0.15	4.25			
	Ch: 0.00 to 11.00 Mts	1.00	11.00	3.10	3.10	3.10	0.15	5.12			
	Ch: 0.00 to 16.80 Mts	1.00	16.80	2.00	2.00	2.00	0.15	5.04			
	Ch: 0.00 to 6.40 Mts	1.00	6.40	1.70	1.70	1.70	0.15	1.63			
	Ch: 0.00 to 5.00 Mts	1.00	5.00	2.10	2.10	2.10	0.15	1.58			
	Ch: 0.00 to 3.20 Mts	1.00	3.20	2.40	2.40	2.40	0.15	1.15			
	Ch: 0.00 to 3.60 Mts	1.00	3.60	1.80	1.80	1.80	0.15	0.97			
	Ch: 0.00 to 19.20 Mts	1.00	19.20	17.20	17.20	17.20	0.15	49.54			
	Ch: 0.00 to 1.80 Mts	1.00	1.80	1.30	1.30	1.30	0.15	0.35			
	Ch: 0.00 to 19.30 Mts	1.00	19.30	4.00	4.00	4.00	0.15	11.58			
	Ch: 0.00 to 1.80 Mts	1.00	1.80	1.30	1.30	1.30	0.15	0.35			
	Ch: 0.00 to 25.30 Mts	1.00	25.30	4.70	5.60	5.15	0.15	19.54			
	DEDUCTION										
	CHAMBER	-4.00	1.10	1.00	1.00	1.00	0.15	-0.66			
		-1.00	5.30	3.30	3.30	3.30	0.15	-2.62			
		-1.00	3.00	0.90	0.90	0.90	0.15	-0.41			
		-1.00	1.00	0.80	0.80	0.80	0.15	-0.12			
		-1.00	2.40	1.50	1.50	1.50	0.15	-0.54			
		-5.00	1.00	0.90	0.90	0.90	0.15	-0.68			
		-7.00	0.80	0.90	0.90	0.90	0.15	-0.76			
		-1.00	1.30	0.60	0.60	0.60	0.15	-0.12			
		-1.00	1.30	1.30	1.30	1.30	0.15	-0.25			
		-11.00	1.00	1.00	1.00	1.00	0.15	-1.65			
		-2.00	0.60	0.60	0.60	0.60	0.15	-0.11			
		-1.00	5.30	0.70	0.70	0.70	0.15	-0.56			
		-1.00	1.30	1.30	1.30	1.30	0.15	-0.25			
	Blind school front side appartment										
	Ch: 0.00 to 8.50Mts	1.00	8.50	3.10	3.10	3.10	0.15	3.95			
	Ch: 0.00 to 16.80 Mts	1.00	16.80	4.80	5.00	4.90	0.15	12.35			
	Ch: 0.00 to 8.90 Mts	1.00	8.90	4.60	3.10	3.85	0.15	5.14			
	Ch: 0.00 to 6.30 Mts	1.00	6.30	5.00	4.50	4.75	0.15	4.49			
	Ch: 0.00 to 8.00 Mts	1.00	8.00	2.50	2.10	2.30	0.15	2.76			
	Ch: 0.00 to 6.80 Mts	1.00	6.80	3.40	3.50	3.45	0.15	3.52			
	7th cross Veersagar road										
	Ch: 0.00 to 30.00Mts	1.00	30.00	4.70	5.80	5.25	0.15	23.63			
	Ch: 0.00 to 30.00Mts	1.00	30.00	5.80	4.60	5.20	0.15	23.40			
	Ch: 0.00 to 30.00Mts	1.00	30.00	4.60	5.60	5.10	0.15	22.95			

190.78

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangaloro - 92

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C/F 1978

Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	Ch: 0.00 to 30.00Mts	1.00	30.00	5.60	5.30	5.45	0.15	24.53			
	Ch: 0.00 to 16.00Mts	1.00	16.00	5.30	5.10	5.20	0.15	12.48			
	1st main 7th cross Veersagar road										
	Ch: 0.00 to 30.00Mts	1.00	30.00	4.90	3.80	4.35	0.15	19.58			
	Ch: 0.00 to 4.5Mts	1.00	4.50	4.90	3.80	4.35	0.15	2.94			
	2nd main 7th cross Veersagar road										
	Ch: 0.00 to 30.00Mts	1.00	30.00	5.70	5.70	5.70	0.15	25.65			
	Ch: 0.00 to 4.5Mts	1.00	4.50	5.70	5.70	5.70	0.15	3.85			
	3rd main 7th cross Veersagar road										
	Ch: 0.00 to 30.00Mts	1.00	30.00	6.00	5.10	5.55	0.15	24.98			
	Ch: 0.00 to 4.3Mts	1.00	4.30	6.00	5.10	5.55	0.15	3.58			
	# N-HIG 145-158										
	Ch: 0.00 to 27.60Mts	1.00	27.60	14.80	14.80	14.80	0.15	61.27			
	Ch: 0.00 to 5.30Mts	1.00	5.30	1.80	1.80	1.80	0.15	1.43			
	Ch: 0.00 to 2.10Mts	1.00	2.10	1.40	1.40	1.40	0.15	0.44			
	Ch: 0.00 to 14.00Mts	1.00	14.00	2.20	2.20	2.20	0.15	4.62			
	Ch: 0.00 to 8.40Mts	1.00	8.40	2.20	2.20	2.20	0.15	2.77			
	DEDUCTION										
	Tree pathi	-1.00	4.00	3.00	3.00	3.00	0.15	-1.80			
	Area of circle tank (4.3m dia)= 3.142*2.15*2.15	-1.00	2.15	2.15	3.14		0.15	-2.18			
	Tree pathi	-9.00	0.50	0.50	0.50	0.50	0.15	-0.34			
		-1.00	1.10	0.50	0.50	0.50	0.15	-0.08			
	Steps	-1.00	1.00	0.70	0.70	0.70	0.15	-0.11			
	Steps	-1.00	1.40	0.90	0.90	0.90	0.15	-0.19			
	cobble stone	-1.00	4.00	3.60	3.60	3.60	0.15	-2.16			
	# N-HIG C 4-5										
	Ch: 0.00 to 27.40Mts	1.00	27.40	4.80	4.80	4.80	0.15	19.73			
	Ch: 0.00 to 8.60Mts	1.00	8.60	3.30	3.30	3.30	0.15	4.26			
	Ch: 0.00 to 9.70Mts	1.00	9.70	3.80	3.80	3.80	0.15	5.53			
	Ch: 0.00 to 2.90Mts	1.00	2.90	1.10	1.10	1.10	0.15	0.48			
	Ch: 0.00 to 8.70Mts	1.00	8.70	3.30	3.30	3.30	0.15	4.31			
	Ch: 0.00 to 14.40Mts	1.00	14.40	9.90	9.90	9.90	0.15	21.38			
	Ch: 0.00 to 11.10Mts	1.00	11.10	3.60	3.60	3.60	0.15	5.99			
	Ch: 0.00 to 4.80Mts	1.00	4.80	4.70	3.90	4.30	0.15	3.10			
	Ch: 0.00 to 6.20Mts	1.00	6.20	5.70	5.70	5.70	0.15	5.30			
	DEDUCTION										
	Chambers	-3.00	1.00	1.00	1.00	1.00	0.15	-0.45			
	trees	-2.00	0.50	0.50	0.50	0.50	0.15	-0.08			
	Chambers	-1.00	0.80	0.80	0.80	0.80	0.15	-0.10			
	gate	-1.00	1.50	1.20	1.20	1.20	0.15	-0.27			
	Chambers	-1.00	0.90	0.90	0.90	0.90	0.15	-0.12			
	Area of circle tank (4.3m dia)= 3.142*2.15*2.15	-1.00	2.15	2.15	3.14		0.15	-2.18			
	Prashanthi nilaya beside masjid										
	Ch: 0.00 to 8.00Mts	1.00	8.00	5.50	5.50	5.50	0.15	6.60			
	Ch: 0.00 to 5.60Mts	1.00	5.60	3.50	3.50	3.50	0.15	2.94			
	Ch: 0.00 to 15.70Mts	1.00	15.70	4.40	4.40	4.40	0.15	10.36			
	Ch: 0.00 to 13.60Mts	1.00	13.60	3.30	3.30	3.30	0.15	6.73			
	Ch: 0.00 to 12.30Mts	1.00	12.30	5.10	5.10	5.10	0.15	9.41			
	Ch: 0.00 to 2.85Mts	1.00	2.85	2.80	2.80	2.80	0.15	1.20			
	DEDUCTION										

499.10

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Cf E499.10

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	Tulasi katte	-1.00	0.50	0.50	0.50	0.50	0.15	-0.04			
	Chambers	-1.00	1.10	1.00	1.00	1.00	0.15	-0.17			
	Chambers	-1.00	0.90	0.50	0.50	0.50	0.15	-0.07			
	Chambers	-1.00	0.50	0.50	0.50	0.50	0.15	-0.04			
	Tree pathi	-1.00	0.50	0.50	0.50	0.50	0.15	-0.04			
	Chambers	-1.00	0.80	0.80	0.80	0.80	0.15	-0.10			
							Present Qnty	498.66			
							Qnty vide 1st RA Bill	656.14			
							Qnty vide 2nd RA Bill	1104.47			
							Total Qnty	2259.27			
							Deduct Paid Qnty	1760.61			
							Qnty Up to 125%	58.00	Cum	5574.21	323281.18
							Qnty Above 125%	440.67		5574.21	2456360.41

CONTRACTOR

Assistant Engineer
Project Division BBMP Yelahanka

15/9/21

Assistant Executive Engineer
Project Division BBMP Yelahanka

Assf. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Chd. & T.C,

EE

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Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	Ch: 0.00 to 5.27Mts	1.00	5.27	2.95	2.95	2.95		15.55			
	Ch: 0.00 to 5.60Mts	1.00	5.60	4.80	4.80	4.80		26.88			
	Ch: 0.00 to 9.00 Mts	2.00	9.00	3.30	3.30	3.30		59.40			
	Ch: 0.00 to 10.24 Mts	1.00	10.24	3.65	3.60	3.64		66.66			
	DEDUCTION										
	Circular tank(3.14/4.2*4.2)	-1.00	3.14								
	Chamber					17.60		-55.30			
		-1.00	1.00	1.00	1.00	1.00		-1.00			
		-2.00	0.90	0.90	0.90	0.90		-1.62			
	TOTAL							121.55			
	MG 5-25 S/W 25										
	Ch: 0.00 to 18.6Mts	1.00	18.60	12.70	9.50	10.65		198.09			
	DEDUCTION										
	Chamber										
		-5.00	1.00	1.00	1.00	1.00		-5.00			
		-4.00	0.60	0.60	0.60	0.60		-1.44			
	TOTAL							190.65			
	LIG -22										
	Ch: 0.00 to 17.00Mts	1.00	17.00	4.10	4.70	4.40		74.80			
	Ch: 17.00 to 22.80Mts	1.00	5.80	4.70	3.60	4.15		24.07			
	DEDUCTION										
	TC	-1.00	3.00	0.60	0.60	0.60		-1.80			
	TOTAL							97.07			
	LIG -23										
	Ch: 0.00 to 3.2Mts	1.00	3.20	3.60	3.60	3.60		11.52			
	Ch: 0.00 to 7.7Mts	1.00	7.70	5.70	5.70	5.70		43.89			
	Ch: 0.00 to 3.9Mts	1.00	3.90	2.90	1.90	2.40		9.36			
	DEDUCTION										
	TC	-1.00	3.00	0.60	0.60	0.60		-1.80			
		-1.00	3.00	3.20	3.20	3.20		-9.20			
	TOTAL							98.77			
	LIG -24										
	Ch: 0.00 to 3.3Mts	1.00	3.30	2.60	2.60	2.60		8.58			
	Ch: 0.00 to 6.8Mts	1.00	6.80	4.70	4.70	4.70		31.96			
	Ch: 0.00 to 9.9Mts	1.00	9.90	4.30	4.30	4.30		42.57			
	Ch: 0.00 to 4.00Mts	1.00	4.00	4.90	4.90	4.90		19.60			
	Ch: 0.00 to 13.50Mts	1.00	13.50	8.20	8.20	8.20		110.70			
	Ch: 0.00 to 10.30Mts	1.00	10.30	1.90	1.90	1.90		19.57			
	Ch: 0.00 to 7.40Mts	1.00	7.40	3.60	3.60	3.60		26.64			
	Ch: 0.00 to 2.90Mts	1.00	2.90	1.20	1.20	1.20		3.48			
	DEDUCTION										
	TC	-1.00	2.00	1.10	1.10	1.10		-2.20			
		-1.00	1.00	6.30	6.30	6.30		-6.30			
		-1.00	1.00	1.00	1.00	1.00		-1.00			
		-2.00	0.70	0.70	0.70	0.70		-0.98			
		-1.00	1.00	0.85	0.85	0.85		-0.85			
	TOTAL							251.77			
						Total quantity		13272.39			
	Third and final bill cobble measurement										
	SUG -49										
	Ch: 0.00 to 18.7 Mts	1.00	18.70	11.70	11.70	11.70		218.79			
	Ch: 0.00 to1.2 Mts	1.00	1.20	4.00	4.00	4.00		4.80			
	Ch: 0.00 to 8.8 Mts	1.00	8.80	1.40	1.40	1.40		12.32			
	Ch: 0.00 to 4 Mts	1.00	4.00	1.10	1.10	1.10		4.40			
	Ch: 0.00 to 27.4 Mts	1.00	27.40	2.80	2.80	2.80		76.72			
	Ch: 0.00 to 1.4 Mts	1.00	1.40	1.10	1.10	1.10		1.54			
	Ch: 0.00 to 1.4 Mts	1.00	1.40	1.10	1.10	1.10		1.54			
	DEDUCTION										
	TANK	-2.00	5.30	3.30	3.30	3.30		-34.98			
	Chamber	-2.00	1.20	1.20	1.20	1.20		-2.88			
		-1.00	0.80	1.10	0.60	0.85		-0.68			
	TC	-1.00	0.80	0.80	0.80	0.80		-0.64			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	TOTAL							280.93			
	SLIG -46										
	Ch: 0.00 to 17.3 Mts	1.00	17.30	18.70	18.70	18.70		323.51			
	Ch: 0.00 to 4.0 Mts	1.00	1.00	1.20	1.20	1.20		1.20			
	Ch: 0.00 to 2.5 Mts	1.00	2.50	1.10	1.10	1.10		2.75			
	Ch: 0.00 to 6.2 Mts	1.00	6.20	11.10	11.10	11.10		68.82			
	Ch: 0.00 to 1.1 Mts	1.00	1.10	3.30	3.30	3.30		3.63			
	Ch: 0.00 to 4.0Mts	1.00	4.00	2.00	2.00	2.00		8.00			
	Ch: 0.00 to 6.1 Mts	1.00	6.10	3.60	3.60	3.60		21.96			
	Ch: 0.00 to 2.5 Mts	1.00	2.50	10.20	10.20	10.20		25.50			
	Ch: 0.00 to 4.0Mts	1.00	4.00	1.00	1.00	1.00		4.00			
	Ch: 0.00 to 7.2 Mts	1.00	7.20	1.60	1.60	1.60		11.52			
	Ch: 0.00 to 3.7 Mts	1.00	3.70	1.50	1.50	1.50		5.55			
	Ch: 0.00 to 9.6 Mts	1.00	9.60	2.70	2.70	2.70		25.92			
	DEDUCTION										
	TANK										
	CHAMBER	-2.00	5.30	3.30	3.30	3.30		-34.98			
		-3.00	1.10	1.00	1.00	1.00		-3.30			
		-1.00	1.90	1.30	1.30	1.30		-2.47			
	TOTAL	-3.00	0.90	0.90	0.90	0.90		-2.43			
	SLIG -34							459.18			
	Ch: 0.00 to 23.1 Mts	1.00	23.10	11.20	11.20	11.20		258.72			
	Ch: 0.00 to 18.6 Mts	1.00	18.60	1.20	1.20	1.20		22.32			
	Ch: 0.00 to 4.0 Mts	1.00	4.00	1.20	1.20	1.20		4.80			
	Ch: 0.00 to 3.8 Mts	1.00	3.80	1.40	1.40	1.40		5.32			
	DEDUCTION										
	TANK	-1.00	5.30	3.30	3.30	3.30		-17.49			
	Chamber	-1.00	1.10	1.00	1.00	1.00		-1.10			
		-1.00	2.40	2.00	2.00	2.00		-4.80			
	TOTAL							267.77			
	SLIG -35										
	Ch: 0.00 to 27.4 Mts	1.00	27.40	2.70	2.70	2.70		73.98			
	Ch: 0.00 to 2.5 Mts	1.00	2.50	1.00	1.00	1.00		2.50			
	DEDUCTION										
	TC	-2.00	0.80	0.40	0.40	0.40		-0.64			
	TOTAL							75.84			
	SLIG -17										
	Ch: 0.00 to 23.8 Mts	1.00	23.80	12.50	12.50	12.50		297.50			
	Ch: 0.00 to 21.0 Mts	1.00	21.00	11.20	11.20	11.20		235.20			
	Ch: 0.00 to 1.5 Mts	1.00	1.50	1.00	1.00	1.00		1.50			
	Ch: 0.00 to 3.3 Mts	1.00	3.30	1.00	1.00	1.00		3.30			
	Ch: 0.00 to 1.9 Mts	1.00	1.90	1.90	1.90	1.90		3.61			
	Ch: 0.00 to 8.0 Mts	1.00	8.00	2.60	2.60	2.60		20.80			
	Ch: 0.00 to 7.0 Mts	1.00	7.00	3.30	3.30	3.30		23.10			
	Ch: 0.00 to 1.9 Mts	1.00	1.90	1.40	1.40	1.40		2.66			
	Ch: 0.00 to 3.2 Mts	1.00	3.20	0.70	0.70	0.70		2.24			
	Ch: 0.00 to 8.6 Mts	1.00	8.60	4.40	4.40	4.40		37.84			
	Ch: 0.00 to 5.0 Mts	1.00	5.00	4.00	4.00	4.00		20.00			
	Ch: 0.00 to 19.3 Mts	1.00	19.30	9.10	9.10	9.10		175.63			
	Ch: 0.00 to 12.1 Mts	1.00	12.10	0.80	0.80	0.80		9.68			
	Ch: 0.00 to 3.9 Mts	1.00	3.90	1.20	1.20	1.20		4.68			
	Ch: 0.00 to 26.7 Mts	1.00	26.70	5.60	5.60	5.60		149.52			
	Ch: 0.00 to 9.4 Mts	1.00	9.40	2.70	2.70	2.70		25.38			
	Ch: 0.00 to 10.5 Mts	1.00	10.50	2.40	2.40	2.40		25.20			
	DEDUCTION										
	TANK	-2.00	5.30	3.30	3.30	3.30		-34.98			
	Chamber	-1.00	1.20	7.00	7.00	7.00		-8.40			
	Chamber	-1.00	4.80	1.20	1.20	1.20		-5.76			
		-4.00	1.10	0.90	0.90	0.90		-3.96			
	TC	-2.00	1.30	0.70	0.70	0.70		-1.82			
		-2.00	1.20	1.20	1.20	1.20		-2.88			
		-1.00	1.50	1.20	1.20	1.20		-1.80			
		-1.00	1.50	0.90	0.90	0.90		-1.35			
	TOTAL							976.89			
	SLIG -17, 18 ,19 front side										
	Ch: 0.00 to 2.60 Mts	1.00	2.60	1.65	1.65	1.65		4.29			

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP Bangalore - 92

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Sl No	Description of Item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
	Ch: 0.00 to 5.30 Mts	1.00	5.30	1.70	1.70	1.70		9.01			
	Ch: 0.00 to 3.20 Mts	1.00	3.20	1.60	1.60	1.60		5.12			
	Ch: 0.00 to1.10 Mts	1.00	1.00	1.00	1.00	1.00		1.00			
	Ch: 0.00 to 4.00 Mts	1.00	4.00	1.80	1.80	1.80		7.20			
	Ch: 0.00 to 2.90 Mts	1.00	2.90	1.90	1.90	1.90		5.51			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	1.70	1.70	1.70		8.84			
	Ch: 0.00 to 2.70 Mts	1.00	2.70	1.40	1.40	1.40		3.78			
	Ch: 0.00 to 7.80 Mts	1.00	7.80	12.40	12.40	12.40		96.72			
	Ch: 0.00 to 5.10 Mts	1.00	5.10	1.20	1.20	1.20		6.12			
	Ch: 0.00 to 1.10 Mts	1.00	1.10	1.50	1.50	1.50		1.65			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	1.20	1.20	1.20		6.24			
	Ch: 0.00 to 1.40 Mts	1.00	1.40	1.10	1.10	1.10		1.54			
	Ch: 0.00 to 2.70 Mts	1.00	2.70	1.40	1.40	1.40		3.78			
	Ch: 0.00 to 4.00 Mts	1.00	4.00	2.20	2.20	2.20		8.80			
	Ch: 0.00 to 8.60 Mts	1.00	8.60	1.70	1.70	1.70		14.62			
	DEDUCTION										
	Chamber	-1.00	1.00	1.00	1.00	1.00		-1.00			
	Chamber	-1.00	1.00	1.00	1.00	1.00		-1.00			
	TOTAL							182.22			
	SLIG -20 front side										
	Ch: 0.00 to 3.20 Mts	1.00	3.20	1.90	1.90	1.90		6.08			
	Ch: 0.00 to 13.00 Mts	1.00	13.00	1.80	1.80	1.80		23.40			
	Ch: 0.00 to 2.40 Mts	1.00	2.40	0.90	0.90	0.90		2.16			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 4.90 Mts	1.00	4.90	3.20	3.20	3.20		15.68			
	DEDUCTION										
	Steps	-1.00	0.90	0.60	0.60	0.60		-0.54			
	Steps	-1.00	0.80	0.50	0.50	0.50		-0.40			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	Tree	-1.00	0.50	0.50	0.50	0.50		-0.25			
	TOTAL							52.53			
	SLIG -51,51,50,49										
	Ch: 0.00 to 3.60 Mts	1.00	3.60	1.50	1.50	1.50		5.40			
	Ch: 0.00 to 7.60 Mts	1.00	7.60	1.80	1.80	1.80		13.68			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.30	1.30	1.30		3.25			
	Ch: 0.00 to 3.60 Mts	1.00	3.60	1.80	1.80	1.80		6.48			
	Ch: 0.00 to 3.80 Mts	1.00	3.80	1.90	1.90	1.90		7.22			
	Ch: 0.00 to 16.50 Mts	1.00	16.50	1.80	1.80	1.80		29.70			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.00	1.00	1.00		2.50			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 2.30 Mts	1.00	2.30	1.40	1.40	1.40		3.22			
	Ch: 0.00 to 12.00 Mts	1.00	12.00	7.70	7.70	7.70		92.40			
	Ch: 0.00 to 5.10 Mts	1.00	5.10	1.20	1.20	1.20		6.12			
	Ch: 0.00 to 5.10 Mts	1.00	5.10	1.20	1.20	1.20		6.12			
	Ch: 0.00 to 1.50 Mts	1.00	1.50	1.10	1.10	1.10		1.65			
	Ch: 0.00 to 22.4 Mts	1.00	22.40	10.00	10.00	10.00		224.00			
	Ch: 0.00 to 4.70 Mts	1.00	4.70	1.00	1.00	1.00		4.70			
	Ch: 0.00 to 2.10 Mts	1.00	2.10	1.50	1.50	1.50		3.15			
	Ch: 0.00 to 14.00 Mts	1.00	14.00	1.80	1.80	1.80		25.20			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.00	1.00	1.00		2.50			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	1.80	1.80	1.80		9.36			
	Ch: 0.00 to 2.70 Mts	1.00	2.70	1.40	1.40	1.40		3.78			
	DEDUCTION										
	Chamber	-1.00	0.50	0.50	0.50	0.50		-0.25			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	TC	-1.00	0.80	0.40	0.40	0.40		-0.32			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	Chamber	-1.00	0.90	0.80	0.80	0.80		-0.72			
	Chamber	-1.00	0.90	0.80	0.80	0.80		-0.72			
	Chamber	-1.00	1.10	0.90	0.90	0.90		-0.99			
	Tank	-1.00	1.20	1.20	1.20	1.20		-1.44			
	Trees	-1.00	5.30	3.20	3.20	3.20		-16.96			
	Chamber	-4.00	0.30	0.30	0.30	0.30		-0.36			
	Chamber	-1.00	1.00	1.00	1.00	1.00		-1.00			
	TC	-1.00	1.10	0.90	0.90	0.90		-0.99			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	TOTAL	-1.00	0.80	0.40	0.40	0.40		-0.32			
	SLIG -15,16 front side							444.96			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			

Asst. Executive Engineer
Project Division
Yelahanka Zone

Scanned by TapScanner

Sl No	Description of Item	No	L	B1	B2	Av B	D	Qty	Unit	Rate	Amount
	Ch: 0.00 to 17.50 Mts	1.00	17.50	2.80	2.80	2.80		49.00			
	Ch: 0.00 to 1.50 Mts	1.00	1.50	1.10	1.10	1.10		1.65			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.00	1.00	1.00		2.50			
	DEDUCTION										
	TC	-1.00	1.50	0.40	0.40	0.40		-0.60			
	TC	-1.00	1.50	0.40	0.40	0.40		-0.80			
	TOTAL							65.95			
	SUG -37 Back side										
	Ch: 0.00 to 9.10 Mts	1.00	9.10	5.20	5.20	5.20		47.32			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	2.90	2.90	2.90		15.08			
	Ch: 0.00 to 3.40 Mts	1.00	3.40	2.50	2.50	2.50		8.50			
	Ch: 0.00 to 2.00 Mts	1.00	2.00	1.90	1.90	1.90		3.80			
	Ch: 0.00 to 4.80 Mts	1.00	4.80	2.50	2.50	2.50		12.00			
	Ch: 0.00 to 7.30 Mts	1.00	7.30	4.20	4.20	4.20		30.66			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	2.00	2.00	2.00		5.00			
	Ch: 0.00 to 5.50 Mts	1.00	5.50	3.20	3.20	3.20		17.50			
	DEDUCTION										
	Chamber	-1.00	0.90	0.90	0.90	0.90		-0.81			
	Chamber	-1.00	0.90	0.65	0.65	0.65		-0.59			
	Tree path	-3.00	1.00	1.00	1.00	1.00		-3.00			
	TOTAL							138.57			
	SUG -33,34 front side										
	Ch: 0.00 to 2.20 Mts	1.00	2.20	1.50	1.50	1.50		3.30			
	Ch: 0.00 to 19.40 Mts	1.00	19.40	1.60	1.60	1.60		31.04			
	Ch: 0.00 to 3.70 Mts	1.00	3.70	2.00	2.00	2.00		7.40			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.00	1.00	1.00		2.50			
	Ch: 0.00 to 3.70 Mts	1.00	3.70	2.00	2.00	2.00		7.40			
	Ch: 0.00 to 2.50 Mts	1.00	2.50	1.40	1.40	1.40		3.50			
	Ch: 0.00 to 11.90 Mts	1.00	11.90	2.40	2.40	2.40		28.56			
	Ch: 0.00 to 4.00 Mts	1.00	4.00	1.10	1.10	1.10		4.40			
	Ch: 0.00 to 1.40 Mts	1.00	1.40	1.10	1.10	1.10		1.54			
	Ch: 0.00 to 13.00 Mts	1.00	13.00	7.20	7.20	7.20		93.60			
	Ch: 0.00 to 1.40 Mts	1.00	1.40	1.00	1.00	1.00		1.40			
	Ch: 0.00 to 2.00 Mts	1.00	2.00	2.00	2.00	2.00		4.00			
	DEDUCTION										
	TC	-2.00	1.50	0.30	0.30	0.30		-0.90			
	Chamber	-2.00	0.80	0.80	0.80	0.80		-1.28			
	Chamber	-2.00	1.00	1.00	1.00	1.00		-2.00			
	Tank	-1.00	5.30	3.20	3.20	3.20		-16.96			
	TOTAL							186.46			
	SUG -37,38 front side										
	Ch: 0.00 to 24.00 Mts	1.00	24.00	2.20	2.20	2.20		52.80			
	Ch: 0.00 to 1.20 Mts	1.00	1.20	1.00	1.00	1.00		1.20			
	Ch: 0.00 to 3.70 Mts	1.00	3.70	2.00	2.00	2.00		7.40			
	Ch: 0.00 to 1.20 Mts	1.00	1.20	1.00	1.00	1.00		1.20			
	Ch: 0.00 to 3.70 Mts	1.00	3.70	2.00	2.00	2.00		7.40			
	Ch: 0.00 to 1.50 Mts	1.00	1.50	1.00	1.00	1.00		1.50			
	Ch: 0.00 to 14.60 Mts	1.00	14.60	2.50	2.50	2.50		36.50			
	Ch: 0.00 to 3.80 Mts	1.00	3.80	1.10	1.10	1.10		4.18			
	DEDUCTION										
	TC	-2.00	1.50	0.30	0.30	0.30		-0.90			
	Chamber	-1.00	1.00	1.00	1.00	1.00		-1.00			
	TC	-1.00	1.30	0.70	0.70	0.70		-0.91			
	Chamber	-3.00	1.20	0.60	0.60	0.60		-2.16			
	Tree path	-1.00	0.90	0.90	0.90	0.90		-0.81			
	TOTAL							106.40			
	SLIG -41,40,39 front side										
	Ch: 0.00 to 8.20 Mts	1.00	8.20	3.80	3.80	3.80		31.16			
	Ch: 0.00 to 6.50 Mts	1.00	6.50	4.20	4.20	4.20		27.30			
	Ch: 0.00 to 7.20 Mts	1.00	7.20	3.50	3.50	3.50		25.20			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	2.60	2.60	2.60		13.52			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 5.70 Mts	1.00	5.70	2.50	2.50	2.50		14.25			
	Ch: 0.00 to 1.40 Mts	1.00	1.40	1.00	1.00	1.00		1.40			
	Ch: 0.00 to 3.50 Mts	1.00	3.50	2.00	2.00	2.00		7.00			
	Ch: 0.00 to 5.20 Mts	1.00	5.20	2.40	2.40	2.40		12.48			
	Ch: 0.00 to 3.40 Mts	1.00	3.40	1.10	1.10	1.10		3.74			
	Ch: 0.00 to 6.20 Mts	1.00	6.20	2.00	2.00	2.00		12.40			

Asst. Executive Engineer
Project Division
Velahanka Zone

Scanned by TapScanner

Sl No	Description of Items	No	L	B1	B2	Avg B	D	Qty	Unit	Rate	Amount
	Ch: 0.00 to 1.20 Mts										
	Ch: 1.00 to 6.00 Mts										
	Ch: 6.00 to 4.30 Mts										
	Ch: 5.00 to 5.20 Mts										
	Ch: 5.00 to 5.60 Mts										
	Ch: 5.00 to 5.75 Mts										
	DEDUCTIONS										
	RC										
	Chamber										
	RC										
	Chamber										
	Chamber										
	Chamber										
	TOTAL										
	Deduction towards earth front										
	Ch: 0.00 to 0.5 Mts										
	Ch: 0.00 to 7.2 Mts										
	DEDUCTION										
	Chamber										
	Reg circle										
	Total										

MEASUREMENT
RA 3rd AND FINAL BILL

Name of work: **Comprehensive Development works in ward No. 03 Attur**

Date of Recording:

Sl No	Description of item	No	L	B1	B2	Av.B	D	Qty	Unit	Rate	Amount
E17	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP- 53-2015 do- using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4% of modified bituminous binder consisting of 4.97% ofVG-30 bitumen (80/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) with all lead and lift and as per the direction of Engineer in-charge.								Cum		
	ASPHALT ROAD										
	6TH Cross road muneshwara layout										
	Ch: 0.00 to 30.00Mts	1.00	30.00	6.10	5.80	5.95	0.04	7.14			
	Ch: 30.00 to 60.00Mts	1.00	30.00	5.80	6.00	5.90	0.04	7.08			
	Ch: 60.00 to 90.00Mts	1.00	30.00	6.00	6.20	6.10	0.04	7.32			
	Ch: 90.00 to 120.00Mts	1.00	30.00	6.20	6.10	6.15	0.04	7.38			
	Ch: 120.00 to 150.00Mts	1.00	30.00	6.10	6.00	6.05	0.04	7.26			
	Ch: 150.00 to 180.00Mts	1.00	30.00	6.00	6.30	6.15	0.04	7.38			
	Ch: 180.00 to 210.00Mts	1.00	30.00	6.30	6.20	6.25	0.04	7.50			
	Ch: 210.00 to 215.40Mts	1.00	5.40	6.20	6.30	6.25	0.04	1.35			
	6TH Cross road pulikeshi nagara										
	Ch: 0.00 to 30.00Mts	1.00	30.00	5.40	5.30	5.35	0.04	6.42			
	Ch: 30.00 to 60.00Mts	1.00	30.00	5.30	5.50	5.40	0.04	6.48			
	Ch: 60.00 to 87.30.00Mts	1.00	27.30	5.50	6.00	5.75	0.04	6.28			
	8TH Cross road pulikeshi nagara										
	Ch: 0.00 to 30.00Mts	1.00	30.00	7.30	6.50	6.90	0.04	8.28			
	Ch: 30.00 to 55.80Mts	1.00	25.80	6.50	5.60	6.05	0.04	6.24			
	5TH Cross road pulikeshi nagara										
	Ch: 0.00 to 30.00Mts	1.00	30.00	5.30	4.30	4.80	0.04	5.76			
	Ch: 30.00 to 60.00Mts	1.00	30.00	4.30	4.30	4.30	0.04	5.16			
	Ch: 60.00 to 90.00Mts	1.00	30.00	4.30	5.70	5.00	0.04	6.00			
	Ch: 90.00 to 104.00Mts	1.00	14.00	5.70	4.70	5.20	0.04	2.91			
	Cross road pulikeshi nagara # 32A nilaya										
	Ch: 0.00 to 30.00Mts	1.00	30.00	4.60	3.60	4.10	0.04	4.92			
	Ch: 30.00 to 60.00Mts	1.00	30.00	3.60	4.10	3.85	0.04	4.62			
	Ch: 60.00 to 80.60Mts	1.00	20.60	4.10	4.40	4.25	0.04	3.50			
	Ch: 80.60 to 95.00Mts	1.00	14.40	5.80	7.00	6.40	0.04	3.69			
	Ch: 95.00 to 125.00Mts	1.00	30.00	5.20	4.50	4.85	0.04	5.82			
	Ch: 125.00 to 137.20Mts	1.00	12.20	4.50	5.50	5.00	0.04	2.44			
	3rd main road CQAL Layout										
	Ch: 0.00 to 30.00Mts	1.00	30.00	6.00	5.50	5.75	0.04	6.90			
	Ch: 30.00 to 60.00Mts	1.00	30.00	5.50	5.00	5.25	0.04	6.30			
	Ch: 60.00 to 90.00Mts	1.00	30.00	5.00	5.50	5.25	0.04	6.30			
	Ch:90.00 to120.00 Mts	1.00	30.00	5.50	5.30	5.40	0.04	6.48			
	Ch:120.00 to 150.00Mts	1.00	30.00	5.30	5.20	5.25	0.04	6.30			
	Ch:150.00 to 180.00Mts	1.00	30.00	5.20	5.40	5.30	0.04	6.36			
	Ch: 180.00 to 208.00Mts	1.00	28.00	5.40	4.70	5.05	0.04	6.66			
	Ch:208.00 to 233.2.00Mts	1.00	25.20	4.80	5.00	4.90	0.04	4.94			
							Present Qty	180.17			
							Qnty Paid in tha bill	167.04		8140.82	1359842.67

CONTRACTOR

PMC

Assistant Engineer 15/9/21
Project Division BBMP Yelahanka

Ch. & fe
AEE

15/9/21
Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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